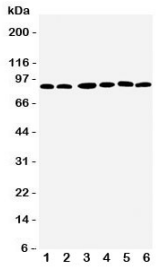
RSK1 Antibody (R31163)

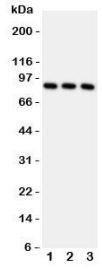
Catalog No.	Formulation	Size
R31163	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q15418
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml
Limitations	This RSK1 antibody is available for research use only.



Western blot testing of RSK1 antbody; Lane 1: MCF-7; 2: HeLa; 3: K562; 4: Jurkat; 5: SW620; 6: Raji cell lysate. Predicted molecular weight: 83~90 kDa.



Western blot testing of RSK1 antbody and Lane 1: A431; 2: MCF-7; 3: HeLa. Predicted molecular weight: 83~90 kDa.

Description

Ribosomal Protein S6 Kinase, 90-KD, 1, also called RSK1, is an enzyme that in humans is encoded by the RPS6KA1 gene. The RSK(ribosomal S6 kinase) family comprises growth factor-regulated serine/threonine kinases, known also as p90(RSK). Homologs exist in several species. By analysis of somatic cell hybrids, Moller et al.(1994) mapped the gene to chromosome 3. Bonni et al.(1999) characterized the mechanism by which the RAS-MAPK signaling pathway mediates growth factor-dependent cell survival. Inoue et al.(2007) demonstrated that p90RSK, the kinase immediately downstream from Mos-MAPK, directly targets Erp1 for CSF arrest in Xenopus oocytes.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RSK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human RSK1 (ILAQRRVRKLPSTTL) was used as the immunogen for this RSK1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the RSK1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.